

SAI CHERISH POTLURI

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EDUCATION

Master of Science in Computer Science

May 2023

Arizona State University || Tempe, Arizona

3.7/4.0 GPA

Relevant Coursework: Foundations of **Algorithms**, Computer Networks, Data Processing at Scale, Mobile Computing, Data Mining, Software Quality Management using **Agile Methodologies**

Bachelor of Technology in Computer Science

June 2020

Gandhi Institute of Technology and Management || India

8.3/10 GPA

Relevant Coursework: Data Structures & Algorithms, **Object Oriented design in Java**, Distributed and Multi-tiered Databases, Mathematical Optimization Techniques

WORK EXPERIENCE

Trainee Decision Scientist, Mu Sigma, Bangalore, India

Aug 2020 - Oct 2020

Technology Stack: Python, pandas, NumPy, MS Excel, Tableau, PowerBI

- Collaborated with a team of five to clean, analyze, and visualize a large E-Commerce dataset to come up with an effective inventory policy to balance disparate product demands.
- Utilized **KNN clustering** to identify high-demand products that need restocking early compared with other products, resulting in a reduction of inventory work and increased productivity.

Intern Software Developer, SmartBridge, Hyderabad, India

Apr 2019 - Jun 2019

Technology Stack: HTML/CSS, Javascript, ReactJS, Python, NumPy, Jupyter

- Designed and developed a fully scalable web application for a mobility service provider which deals with **2 million** records of data on average.
- Proposed an algorithm for predicting trip fare amount using **XGBoost** data model that was trained over a large dataset of **4 million** records, producing an accuracy of **80%**.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript, SQL, Spark, HTML/CSS

Frameworks and Databases: Node.js, Spring, Django, Flask, PostgreSQL, MySQL, DynamoDB, MongoDB

Other Tools: OpenCV, pandas, Git, Linux, Windows, VS Code

PROJECTS

Knowledge Extraction from Context Sensors ([Link](#))

Jun 2022

Technology Stack: Python, Node.js, Android, PyCharm

- Collaborated with a team of five in conceiving and designing an android mobile application that recorded videos and extracted information from them using **knowledge recovery algorithm**.
- Developed and automated the process of capturing a video, uploading it to the **Node.js** server and extracting it frame by frame, thus increasing application's speed.
- Predicted the gestures accurately and at a higher pace using the cosine similarity algorithm over a database of **Deaf Tec** gesture videos.

Web Application Development ([Link](#))

May 2022

Technology Stack : HTML/CSS, Javascript, ReactJS, Node.js, REST API

- Created a full stack web application using **ReactJS** for forecasting weather information about different parts of the world based on their geographical location.
- Implemented **OpenWeatherAPI** enabling forecasting of weather data up to 7 days in advance.

Android Application Development

Mar 2020

Technology Stack: AdobeXD, Firebase, XML, Java, Android Studio, Beautiful Soup

- Designed and developed an android app for a student organization of **1200**, using a **Constraint Layout** made it interactive and responsiveness.
- Utilized **web scraping** and included dynamic timetables, class schedulers, attendance records features.

ACHIEVEMENTS

AWS Certified Cloud Practitioner ([CLF-01](#))

Aug 2022

- Explored cloud computing concepts, by working on cloud services provided by Amazon such as **S3**, **Lambda**, **EC2**, etc.
- Developed an understanding of Amazon's **cloud architecture**, its design principles and how cloud computing compares to on-premises.